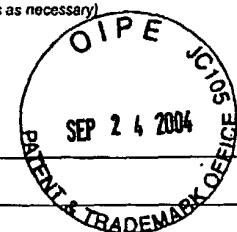


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Application Number	09/988,384
Filing Date	November 19, 2001
First Named Inventor	Sherman, David
Group Art Unit	1652
Examiner Name	Kerr, Kathleen

Sheet 1 of 8

Attorney Docket No: 600.536US1

US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	Filing Date If Appropriate
JK	US-4,874,748	10/17/1989	Katz, L., et al.	514	29	03/24/1986
	US-4,885,251	12/05/1989	Ingolia, T. D., et al.	435	183	08/08/1986
	US-4,886,757	12/12/1989	Richardson, M. A.	435	252.3	04/15/1987
	US-4,892,819	01/09/1990	Carr, L. G., et al.	435	69.1	11/25/1985
	US-4,935,340	06/19/1990	Baltz, R. H., et al.	435	6	06/07/1985
	US-4,952,502	08/28/1990	Epp, J. K., et al.	435	76	02/24/1987
	US-5,057,425	10/15/1991	Stanzak, R. K.	435	252.3	07/29/1988
	US-5,063,155	11/05/1991	Cox, K. L., et al.	435	76	03/28/1988
	US-5,068,189	11/26/1991	Epp, J. K., et al.	435	183	05/13/1988
	US-5,098,837	03/24/1992	Beckmann, R. J., et al.	435	172.3	06/07/1988
	US-5,108,918	04/28/1992	Groenen, M. A., et al.	435	172.3	02/01/1989
	US-5,116,968	05/26/1992	Lawrence, G. C., et al.	536	71	12/20/1990
	US-5,141,926	08/25/1992	Weber, J. M., et al.	514	29	04/18/1990
	US-5,149,638	09/22/1992	Beckmann, R. J., et al.	435	76	07/30/1991
	US-5,149,639	09/22/1992	Katz, L., et al.	435	76	05/25/1989
	US-5,168,052	12/01/1992	Cox, K. L., et al.	435	72	03/20/1990
	US-5,191,016	03/02/1993	Yalpani, M.	525	54.2	07/19/1990
	US-5,229,279	07/20/1993	Peoples, Oliver P., et al.	435	135	08/13/1990
	US-5,245,023	09/14/1993	Peoples, Oliver P., et al.	536	23.2	05/08/1991
	US-5,250,430	10/05/1993	Peoples, O. P., et al.	435	232	09/14/1992
	US-5,462,862	10/31/1995	Groenen, M. A., et al.	435	69.1	01/25/1993
	US-5,480,794	01/02/1996	Peoples, O. P., et al.	435	232	08/12/1994
	US-5,512,669	04/30/1996	Peoples, O. P., et al.	536	23.2	08/29/1994
	US-5,514,544	05/07/1996	Rao, R. N., et al.	435	6	07/26/1991
	US-5,534,432	07/09/1996	Peoples, O. P., et al.	435	240.4	04/07/1995
	US-5,545,553	08/13/1996	Gotschlich, E. C.	435	252.33	09/26/1994
	US-5,589,385	12/31/1996	Ryan, M. J., et al.	435	258.35	09/22/1993
	US-5,610,041	03/11/1997	Somerville, C. R., et al.	435	135	06/06/1994
	US-5,661,026	08/26/1997	Peoples, O. P., et al.	435	252.3	05/04/1995
	US-5,663,063	09/02/1997	Peoples, O. P., et al.	435	135	05/10/1995
	US-5,665,564	09/09/1997	Caruso, M., et al.	435	69.1	08/09/1993
	US-5,672,491	09/30/1997	Khosla, C., et al.	435	148	05/06/1994
✓	US-5,672,497	09/30/1997	Cox, K. L., et al.	435	320.1	12/21/1995
	US-5,702,717	12/30/1997	Cha, Y., et al.	424	425	10/25/1995

EXAMINER

DATE CONSIDERED

12/10/04

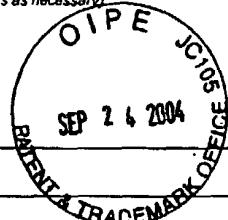
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Application Number	09/988,384
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Group Art Unit	1652
Examiner Name	Kerr, Kathleen

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KK	US-5,712,146	01/27/1998	Khosla, C. , et al.	435	252.35	06/07/1995
	US-5,716,849	02/10/1998	Ligon, J. M., et al.	435	419	12/14/1996
	US-5,744,350	04/28/1998	Vinci, V. A., et al.	435	254.11	05/25/1995
	US-5,798,235	08/25/1998	Peoples, O. P., et al.	435	135	06/07/1995
	US-5,824,513	10/20/1998	Katz, L. , et al.	435	76	01/17/1991
	US-5,830,750	11/03/1998	Khosla, C. , et al.	435	252.35	03/31/1997
	US-5,843,718	12/01/1998	Khosla, C. , et al.	435	69.1	03/31/1997
	US-5,866,410	02/02/1999	Ryan, M. J., et al.	435	320.1	06/07/1995
	US-5,962,290	10/05/1999	Khosla, C. , et al.	435	183	10/14/1997
	US-6,022,731	02/08/2000	Khosla, C. , et al.	435	252.35	03/31/1997
	US-6,033,883	03/07/2000	Barr, P. J., et al.	435	148	12/11/1997
	US-6,077,696	06/20/2000	Khosla, C. , et al.	435	135	03/05/1999
	US-6,090,601	07/18/2000	Gustafsson, C. , et al.	435	183	01/23/1998
	US-6,117,659	09/12/2000	Ashley, G. , et al.	435	155	05/27/1999
↓	US-6,303,767	10/16/2001	Betlach, Melanie C., et al.			11/05/1999

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
KK	CA-2107505 ✓	04/09/1994	Baltz, Richard H.	C12 N	015/11	
	EP-0 062 080 ✓	10/13/1982	Spaar, H. D.	B01D	33/04	
	EP-0 238 323 ✓	09/23/1987	Cox, K. L., et al.	C12 N	15/00	
	EP-0 361 905 ✓	04/04/1990	Epp, J. K., et al.	C12 N	15/52	
	EP-0 468 217 ✓	01/29/1992	Ryan, M. J., et al.	C12 N	15/76	
	EP-0 791 655 ✓	08/27/1997	Dehoff, B. S., et al.	C12 N	15/52	
	EP-0 791 656 ✓	08/27/1997	Burgett, Stanley G., et al.	C12 N	15/52	
	FR-2 696 189 ✓	04/01/1994	Blanc, V. , et al.	C12 N	15/31	
	JP-10094395 ✓	04/14/1998	Reeves, Christopher , et al.	C12 N	015/09	
	JP-61205484 ✓	09/11/1986	Aiba, Shichi	C12 N	019/54	
	JP-62029595 ✓	02/07/1987	Fujiwara, Tatsuro , et al.	C07 H	17/08	
✓	JP-6261765 ✓	09/20/1994	_____	C12 N	015/54	

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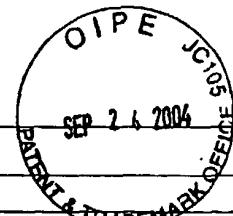
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FOREIGN PATENT DOCUMENTS

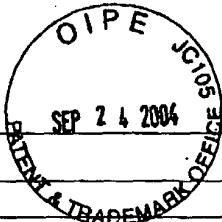
Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
KLC	TA-202481 ✓	03/21/1993	Donadio, S	C12 N	015/10	
	WO-87/03907 ✓	07/02/1987	Humphreys, Gwynfor O., et al.	C12 N	15/00	
	WO-92/16629 ✓	10/01/1992	Niemi, Jarmo , et al.	C12 N	15/31	
	WO-93/13663 ✓	07/22/1993	Katz, Leonard , et al.	A01N	43/22	
	WO-95/08548 ✓	03/30/1995	Khosla, Chaitan , et al.	C07 D	311/78	
	WO-96/01901 ✓	01/25/1996	Blanc, Veronique , et al.	C12 N	15/52	
	WO-96/10084 ✓	04/04/1996	Egel-Mitani, Michi , et al.	C12 N	15/52	
	WO-96/40968 ✓	12/19/1996	Khosla, Chaitan	C12P	7/26	
	WO-97/02358 ✓	01/23/1997	Khosla, C. , et al.	C12P	19/62	
	WO-97/08323 ✓	03/06/1997	Schupp, Thomas , et al.	C12 N	15/52	
	WO-97/22711 ✓	06/26/1997	Sherman, David H., et al.	C12P	7/62	
	WO-97/23630 ✓	07/03/1997	Summers Jr., Richard G., et al.	C12 N	15/54	
	WO-98/00557 ✓	01/08/1998	Gruys, Kenneth J., et al.	C12 N	15/82	
	WO-98/01546 ✓	01/15/1998	Leadlay, Peter F., et al.	C12 N	15/00	
	WO-98/01571 ✓	01/15/1998	Leadlay, Peter F., et al.	C12 N	15/62	
	WO-98/04713 ✓	02/05/1998	Snell, Kristi D., et al.	C12 N	15/52	
	WO-98/07868 ✓	02/26/1998	Schupp, Thomas , et al.	C12 N	15/52	
	WO-98/09978 ✓	03/12/1998	Or, Yat S., et al.	C07 H	17/08	
	WO-98/11230 ✓	03/19/1998	Oki, Toshikazu , et al.	C12 N	15/52	
	WO-98/27203 ✓	06/25/1998	Barr, Philip J., et al.	C12 N	15/00	
	WO-98/36078 ✓	08/20/1998	Dennis, Douglas E., et al.	C12 N	15/52	
✓	WO-98/49315 ✓	11/05/1998	Khosla, Chaitan , et al.	C12 N	15/52	

EXAMINER

DATE CONSIDERED

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	09/988,384
		Filing Date	November 19, 2001
		First Named Inventor	Sherman, David
		Group Art Unit	1652
		Examiner Name	Kerr, Kathleen
Sheet 4 of 8		Attorney Docket No: 600.536US1	



FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	Class	Subclass	T ²
K/L	WO-98/51695 ✓	11/19/1998	Katz, Leonard , et al.	C07 H	17/00	
	WO-98/530097 /					
	WO-98/54308 /	12/03/1998	Leadlay, Peter F., et al.	C12 N	15/00	
	WO-99/03986 ✓	01/28/1999	Khosla, Chaitan , et al.	C12 N	15/00	
	WO-99/05283 /	02/04/1999	Fromentin, C. , et al.	C12 N	15/52	
	WO-99/61599 /	12/02/1999	Ashley, Gary , et al.	C12 N	15/00	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
K/L		ADLER, T. , "Plants: The New Plastics Makers", <u>Science News</u> , 146(26-27), (December 17, 1994),420	
		ANDERSEN, J. F., et al., "Characterization of Saccharopolyspora erythraea Cytochrome P-450 Genes and Enzymes, Including 6-Deoxyerythronolide B Hydroxylase", <u>Journal of Bacteriology</u> , 174(3), (February 1992),725-735	
		ANDERSON, A. J., et al., "Occurrence, Metabolism, Metabolic Role, and Industrial Uses of Bacterial Polyhydroxyalkanoates", <u>Microbiological Review</u> , 54(4), (1990),450-472	
		BETLACH, MELANIE C., et al., "Characterization of the macrolide P-450 hydroxylase from Streptomyces venezuelae which converts narbomycin to picromycin", <u>Biochemistry</u> , 37 (42), (October 1998),14937-14942	
		BEVITT, DEBRA J., et al., "6-Deoxyerythronolide-B synthase 2 from Saccharopolyspora erythraea; cloning of the structural gene, sequence analysis and inferred domain structure of the multifunctional enzyme", <u>European Journal of Biochemistry</u> , 204(1), (February 15, 1992),39-49	
		BRANDL, H. , et al., "Plastics from Bacteria and for Bacteria: Poly(beta-hydroxy-alkanoates) as Natural, Biocompatible, and Biodegradable Polyesters", <u>Advances in Biochemical Engineering Biotechnology</u> , 41, (1990),77-93	
		BYROM, D. , "Polymer synthesis by micro-organisms: technology and economics", <u>Tibtech (Trends in Biotechnology)</u> , 5, (1987),246-250	
		CANE, DAVID E., et al., "Methymycin biosynthesis. Isolation of P450 Monooxygenase activity in a cell-free system from Streptomyces venezuelae", <u>Journal of the American Chemical Society</u> , 120(11), (1998),2682-2683	
✓		CORTES, J. , et al., "Repositioning of a domain in a modular polyketide synthase to promote specific chain cleavage", <u>Science</u> , 268(5216), (June 9, 1995),1487-1489	

EXAMINER

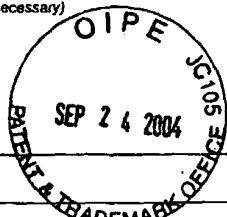
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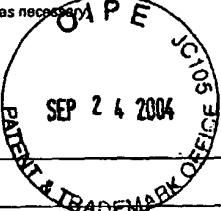
Attorney Docket No: 600.536US1

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
KK		CUNDLIFFE, E. , "Glycosylation of Macrolide Antibiotics in Extracts of <i>Streptomyces lividans</i> ", <u>Antimicrobial Agents and Chemotherapy</u> , 36(2), (1992),348-352
		DONADIO, S. , et al., "An erythromycin analog produced by reprogramming of polyketide synthesis", <u>Proceedings of the National Academy of Sciences USA</u> , 90(15), (August 1, 1993),7119-7123
		DONADIO, S. , et al., "Modular Organization of Genes Required for Complex Polyketide Biosynthesis", <u>Science</u> , 252, (1991),675-679
		DONADIO, STEFANO , et al., "Organization of the enzymatic domains in the multifunctional polyketide synthase involved in erythromycin formation in <i>saccharopolyspora erythraea</i> ", <u>Gene</u> , 111(1), (1992),51-60
		DOUMITH, M. , "Interspecies Complementation in <i>Saccharopolyspora erythraea</i> : Elucidation of the Function of oleP1, oleG1 and oleG2 from the Oleandomycin Biosynthetic Gene Cluster of <i>Streptomyces antibioticus</i> and Generation of New Erythromycin Derivatives", <u>Molecular Microbiology</u> , 34, (1999),1039-1048
		FERNANDEZ-MORENO, M. A., et al., "Streptothrin Biosyntheses Is Catalyzed by Enzymes Related to Nonribosomal Peptide Bond Formation", <u>Journal of Bacteriology</u> , 179(22), (1997),6929-6936
		FU, H. , et al., "Antibiotic activity of polyketide products derived from combinatorial biosynthesis: Implications for directed evolution", <u>Molecular Diversity</u> , 1(2), (1995),121-124
		GAISSER, S. , et al., "Analysis of eryB1, eryBIII and eryBVII from the ethromycin biosynthetic gene cluster in <i>Saccharopolyspora erythraea</i> ", <u>Molecular & General Genetics</u> , 258, (1998),78-88
		GAISSER, S. , et al., "Analysis of Seven Genes from the eryA1-eryK Region of the Erythromycin Biosynthetic Gene Cluster in <i>Saccharopolyspora erythraea</i> ", <u>Mol. Gen. Genet.</u> , 256(3), (October 1997),239-251
		GAISSER, S. , et al., "Cloning of an Avilamycin Biosynthetic Gene Cluster from <i>Streptomyces viridochromogenes</i> Tu57", <u>Journal of Bacteriology</u> , 179(20), (1997),6271-6278
		HAN, L. , et al., "Cloning and Characterization of Polyketide Synthase Genes for Jadomycin B Biosynthesis in <i>Streptomyces venezuelae</i> ISP5230", <u>Microbiology</u> , 140, (1994),3379-3389
		HERNANDEZ, C. , et al., "Characterization of a <i>Streptomyces antibioticus</i> Gene Cluster Encoding a Glycosyltransferase Involved in Oleandomycin Inactivation", <u>Gene</u> , 134, (1993),139-140
		HOPWOOD, D. A., "Antibiotics: Opportunities for Genetic Manipulation", <u>Philosophical Transactions of the Royal Society of London</u> , 324, (1989),549-562
✓		HOPWOOD, D A., et al., "In: Genetic Manipulation of <i>Streptomyces</i> : A Laboratory Manual", Norwich : John Innes Foundation, (1985),77-78, 292-293,

EXAMINER

DATE CONSIDERED

12/10/04

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(Use as many sheets as necessary)</small>		Complete if Known Application Number 09/988,384 Filing Date November 19, 2001 First Named Inventor Sherman, David Group Art Unit 1652 Examiner Name Kerr, Kathleen	
 Sheet 6 of 8		Attorney Docket No: 600.536US1	

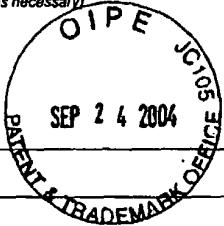
OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
ZEA		HOPWOOD, D. A., et al., "Molecular Genetics of Polyketides and its Comparison to Fatty Acid Biosynthesis", <i>Annu. Rev. Genet.</i> , 24, (1990),37-66	
KIC		JACOBSEN, J. R., et al., "Precursor-Directed Biosynthesis of Erythromycin Analogs by an Engineered Polyketide Synthase", <i>Science</i> , 277, (1997),367-369	
		JOSHI, A. K., et al., "Construction of a cDNA encoding the multifunctional animal fatty acid synthase and expression in <i>Spodoptera frugiperda</i> cells using baculoviral vectors", <i>Biochem. J.</i> , 296, (1993),143-149	
		JOSHI, ANIL K., et al., "Construction, expression, and characterization of a mutated animal fatty acid synthase deficient in the dehydrase function", <i>Journal of Biological Chemistry</i> , 268(30), (1993),22508-22513	
		KAO, C. M., et al., "Engineered Biosynthesis of a Complete Macrolactone in a Heterologous Host", <i>Science</i> , 265, (1994),509-512	
		KAO, C. M., et al., "Manipulation of Macrolide Ring Size by Directed Mutagenesis of a Modular Polyketide Synthase", <i>J. Am. Chem. Soc.</i> , 117, (1995),9105-9106	
		KATZ, L. , "Manipulation of Modular Polyketide Synthases", <i>Chem. Rev.</i> , 97(7), (1997),2557-2575	
		KEALEY, J. T., et al., "Production of a Polyketide Natural Product in Nonpolyketide-Producing Prokaryotic and Eukaryotic Hosts", <i>Proceedings of the National Academy of Sciences USA</i> , 95(2), (January 20, 1998),505-509	
		KHOSLA, C. , "Harnessing the Biosynthetic Potential of Modular Polyketide Synthases", <i>Chem. Rev.</i> , 97, (1997),2577-2590	
		LIU, L. , et al., "Biosynthesis of 2-Nor-6-deoxyerythronolide B by Rationally Designed Domain Substitution", <i>J. Am. Chem. Soc.</i> , 119, (1997),10553-10554	
		LOMOVSKAYA, N. , et al., "Gene disruption and replacement in the rapamycin-producing <i>Streptomyces hygroscopicus</i> strain ATCC 29253", <i>Microbiology</i> , 143(Pt 3), (March 1997),875-883	
		MADDURI, K. , "Production of the Antitumor Drug Epirubicin (4'-epidoxorubicin) and Its Precursor by a Genetically Engineered Strain of <i>Streptomyces peucetius</i> ", <i>Nature Biotechnology</i> , 16, (Jan., 1998),69-74	
		MARAHIEL, M. A., et al., "Modular Peptide Synthetases Involved in Nonribosomal Peptide Synthesis", <i>Chemical Reviews</i> , 97, (1997),2651-2673	
		MCDANIEL, R. , et al., "Engineered Intermodular and Intramodular Polyketide Synthase Fusions", <i>Chemistry and Biology</i> , 4, (1997),667-674	
		MCDANIEL, R. , et al., "Rational Design of Aromatic Polyketide Natural Products by Recombinant Assembly of Enzymatic Subunits", <i>Nature</i> , 375, (1995),549-554	
		PEOPLES, O. P., et al., "Poly-beta-hydroxybutyrate biosynthesis in <i>Alcaligenes eutrophus</i> H16. Characterization of the genes encoding beta-ketothiolase and acetoacetyl-CoA reductase", <i>Journal of Biological Chemistry</i> , 264(26), (September 15, 1989),15293-15297	

EXAMINER



DATE CONSIDERED

12/10/04

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
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Sheet 7 of 8			

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS			
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KK		POIRIER, Y. , et al., "Polyhydroxybutyrate, a Biodegradable Thermoplastic, Produced in Transgenic Plants", <u>Science</u> , <u>256</u> , (1992),520-523	
		POIRIER, Y. , et al., "Production of Polyhydroxyalkanoates, a Family of Biodegradable Plastics and Elastomers, in Bacteria Plants", <u>Bio/Technology</u> , <u>13</u> , (1995),142-150	
		QUIROS, L. M. , et al., "Two glycosyltransferases and a glycosidase are involved in oleandomycin modification during its biosynthesis by <i>Streptomyces antibioticus</i> ", <u>Molecular Microbiology</u> , <u>28</u> , (1998),1177-1185	
		RUAN, XIAOAN , et al., "Acyltransferase domain substitutions in erythromycin polyketide synthase yield novel erythromycin derivatives", <u>Journal of Bacteriology</u> , <u>179</u> (20), (Oct. 1997),6416-6425	
		SALAH-BEY, K. , et al., "Targeted gene inactivation for the elucidation of deoxysugar biosynthesis in the erythromycin producer <i>Saccharopolyspora erythraea</i> ", <u>Molecular and General Genetics</u> , <u>257</u> (5), (March 1998),542-553	
		SCHNEIDER, A. , et al., "Genetic Evidence for a Role of Thioesterase Domains, Integrated in or Associated with Peptide Synthetases, in Non-Ribosomal Peptide Biosynthesis in <i>Bacillus subtilis</i> ", <u>Arch. Microbiol.</u> , <u>169</u> , (1998),404-410	
		SCHWECKE, T. , et al., "The Biosynthetic Gene Cluster for the Polyketide Immunosuppressant Rapamycin", <u>Proc. Natl. Acad. Sci. USA</u> , <u>92</u> , (1995),7839-7843	
		SERVICE, R. F., "Hijacking a Cell's Chemical Paths to Make New Antibiotics", <u>Science</u> , <u>277</u> , (1997),319	
		STASSI, D. , et al., "Identification of a <i>Saccharopolyspora erythraea</i> Gene Required for the Final Hydroxylation Step in Erythromycin Biosynthesis", <u>Journal of Bacteriology</u> , <u>175</u> , (1993),182-189	
		STAUNTON, J. , et al., "Biosynthesis of Erythromycin and Rapamycin", <u>Chem. Rev.</u> , <u>97</u> , (1997),2611-2629	
		SUMMERS, RICHARD G., et al., "Sequencing and mutagenesis of genes from the erythromycin biosynthetic gene cluster of <i>Saccharopolyspora erythraea</i> that are involved in l-mycarose and d-desosamine production", <u>Microbiology</u> , <u>143</u> , (Oct. 1997),3251-3262	
		TSOI, C. J., et al., "Combinatorial Biosynthesis of 'Unnatural' Natural Products: The Polyketide Example", <u>Chemistry and Biology</u> , <u>2</u> , (1995),355-362	
		VERDINE, G. L., et al., "The Combinatorial Chemistry of Nature", <u>Nature</u> , <u>384</u> , (1996),11-13	
		VILCHES, C. , et al., "Role of Glycosylation and Deglycosylation in Biosynthesis of and Resistance to Oleandomycin in the Producer Organism, <i>Streptomyces antibioticus</i> ", <u>Journal of Bacteriology</u> , <u>174</u> , (1992),161-165	
✓		WITT, D. , et al., "Unification of the Genera <i>Streptoverticillium</i> and <i>Streptomyces</i> , and Amendment of <i>Streptomyces</i> Waksman and Henrici 1943, 339", <u>System. Appl. Microbiol.</u> , <u>13</u> , (1990),361-371	

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		Complete If Known Application Number 09/988,384 Filing Date November 19, 2001 First Named Inventor Sherman, David Group Art Unit 1652 Examiner Name Kerr, Kathleen	
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OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
KL		XUE, Y. , "A Gene Cluster for Macrolide Antibiotic Synthesis in <i>Streptomyces venezuelae</i> : Architecture of Metabolic Diversity", <i>Proc. Natl. Acad. Sci. USA</i> , 95, (Oct., 1998),12111-12116	
		YAMASE, H. , "Engineering a Hybrid Sugar Biosynthesis Pathway: Production of L-Rhamnose and Its Implications on Dihydrostreptose Biosynthesis", <i>Journal of the American Chemical Society</i> , (2000),12397-12398	
		YANG, K. , et al., "Accumulation of the angucycline antibiotic rabelomycin after disruption of an oxygenase gene in the jadomycin B biosynthetic gene cluster of <i>Streptomyces venezuelae</i> ", <i>Microbiology</i> , 142(1), (1996),123-132	
		YLIHONKO, K. , et al., "A gene cluster involved in nogalamycin biosynthesis from <i>Streptomyces nogalater</i> : Sequence analysis and complementation of early-block mutations in the anthracycline pathway", <i>Molecular & General Genetics</i> , 251(2), (1996),113-120	
↓		ZHAO, LISHAN , et al., "Biosynthesis of desosamine: molecular evidence suggestion B-glucosylation as a self-resistance mechanism in Methymycin/neomethymycin producing strain, <i>Streptomyces venezuelae</i> ", <i>Journal of the American Chemical Society</i> , 120 (36), (September 1998),9374-9375	

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